•	<u></u>				C-573 / TEC13	329	10/7	36,348	
	D/kg	IMATION DISCLOSUR	E CITATION sary)		Applicant(s) Douglas A. Collings				
	EP 1	3/			Filing Date Group Art Unit . December 15, 2003				
18ES	٠,		U.:	S. PATENT	DOCUMENTS				
EXAMINER INITIAL	NEW YEAR	DOCUMENT NUMBER	DATE		NAME		SUBCLASS		DATE OPRIATE
VSD		3,204,864	09/1965	Malake	r et al.	230	172		
VSD		4,627,795	12/1986	Schmitz	-Montz	417	267		
VSD		4,683,810	08/1987	Afimiw	ala	92	212		
VSD	,	4,852,463	08/1989	Wagens	eil	91	488		
VSD ·		6,368,085	04/2002	Colling		417	569		
			U.S. PATEN	T APPLICA	TION PUBLICATIONS				
ENAMINER INITIAL				NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
		·	FORE	IGN PATE	NT DOCUMENTS				
	REF DOCUMENT NUMBER		DATE	<u> </u>	COUNTRY	CLASS	SUBCLASS	Translation YES NO	
VSD		0 300 274 01/19		EP				>	
V									
			OTHER	DOCUMEN	TS (Including Author	r, Title, Date, Pe	rtinent Pages, Et	'c.)	
·-···									Λ Λ
					·		·		
EXAMINE	R	/Vikansha Dwi	vedi/		DATE CONSIDERED	09/29/20	06		
		al if citation considered, whether			ce with MPEP Section 609;	Draw line throu	gh citation if not	in conform	ance and
ot conside	red. In	clude copy of this form with nex	t communication to	applicant.					

Docket Number (Optional)

Application Number

Form PTO-A820 (also form PTO-1449)

P09A/REV05

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

					C-573 / TEC1:		10/7	36,348	5,348			
	INFO	RMATION DISCLOSU (Use several sheets if nee	RE CITATION		Applicant(s) Douglas A. Collings	0						
		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-ON PA		Filing Date	Group Art Unit						
		DOCUMENT NUMBER	OV 18 2005 2	S PATENT	December 15, 2 DOCUMENTS	.003	 					
EXAMINER			2003 10	S. PATENT				FILING	DATE			
VSD	REF	DOCUMENT NUMBER	MOS WEN CONT	ļ	NAME	CLASS	SUBCLASS	IP APPRO				
V0D		3,601,505	08/1971	Bratsch	l	417	266					
VSD		4,383,804	05/198	Budzich		417	267					
						-]						
						1						
			U.Ś. PATEN	NT APPLICA	ATION PUBLICATIONS							
EXAMINER INITIAL	REP DOCUMENT NUMBER		DATE		NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE				
						A44						
			FOR	EIGN PATE	NT DOCUMENTS	<u> </u>	.J.,		-			
	REF	DOCUMENT NUMBER DATE		COUNTRY		CLASS	SUBCLASS	Trans	lation NO			
VSD		1.278.604	12/1961	France					1			
VSD		1 088 182	09/1960	Germai	ny ,				1			
				•								
			OTHER	DOCUMEN	TS (Including Autho	r, Title, Date, P	ertinent Pages, El	c.)				
							:					
EXAMINER /Vikansha Dwivedi/				DATE CONSIDERED	09/	29/2006		-				
XAMINE	R: Initi	al if citation considered, whetl	ner or not citation is i	in conforman	se with MPEP Section 609:	Draw line thro	igh citation if not	in conform	ance and			
		clude copy of this form with n										

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional) C-573 / TEC1	Application Number	
Applicant(s) Douglas A. C llings		
Filing Date	Group Art Unit	

					Filing Date Group Art Unit					
				U.S. PAT	TENT DOCUMENTS					
*EXAMINER INITIAL				NAME	CLASS	SUBCLASS		G DATE OPRIATE		
VSD		1,398,178	11/1921	Lukacs	evics et al.				A REG. S.	
VSD		2,753,231	07/1956	Nalling	er	309	8			
VSD		4,559,686	12/1985	Kessler		29	156.5 R			
VSD		4,718,830	01/1988	Middle	ton et al.	417	372			
VSD		5,499,571	03/1996	Dreima	ın	92	187			
VSD		6,089,835	07/2000	Suzuura	a et al.	417	415			
VSD		6,272,750	08/2001	Pflager	et al.	29	898.02	12	12	
VSD		6,287,092	09/2001	Calciol	ari et al.	417	415			
	£ 70	h .		7,41						
				FOREIG	N PATENT DOCUMENTS					
	REF	DOCUMENT NUMBER	DATE	T	COUNTRY	CLASS	SUBCLASS		station	
							-	YES	NO .	
				-			+	·		
								· · · · · · · · · · · · · · · · · · ·		
	\vdash			+				 -		
			-	+			+	\vdash	-	
				OTHER	DOCUMENTS (Including	g Author, Title, D	Pare Pertinent Po	ross Etc.)	<u> </u>	
	\top	U.S. Patent Application Colligns, Filed Decmbe	n entitled Comp		nbly with Reciprocating I	-	-		ouglas A.	
		Conigna, L	il sugarou							
	1									
EXAMINE	R	/Vikansha Dwived	i/		DATE CONSIDERED	09/29	9/2006			
		ial if citation considered, whether			ice with MPEP Section 609;	Draw line throu	gh citation if not	in conform	ance and	

Form PTO-A820 (also form PTO-1449) P09A/REV04

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE